



06-10-05

DACS  
JW

Express Mail No. EV 447 217 037 US  
Attorney Docket No. 2044/US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:

Inventors: Roman Sobolewski et al. Confirmation No.: 2593  
Appln. No.: 09/628,116 Group Art Unit: 2878  
Filing Date: July 28, 2000 Examiner: Timothy J. Moran  
Patent No.: 6,812,464 B1  
Issued: November 2, 2004  
For: SUPERCONDUCTING SINGLE  
PHOTON DETECTOR

Mail Stop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PETITION TO CORRECT ASSIGNEE ON PATENT**  
**UNDER 37 C.F.R. § 3.81(b)**

Sir:

1. Pursuant to 37 C.F.R. § 3.81(c)(2), multiple Assignees hold the entire, right, title, and interest to the exclusion of all the inventors in the above-referenced patent.

2. Petition is hereby made to supply the additional name of the Assignee that was inadvertently omitted in Item 3(A) of the Part B – Issue Fee(s) Transmittal (PTOL-85) submitted with the issue fee on August 5, 2004 for the above-referenced patent. A copy of the originally submitted form PTOL-85, is provided herewith. Also, a Request for Certificate of Correction of Assignees' Name on Patent - Applicant's Mistake (37 C.F.R. § 1.323), Certificate of Correction PTO-1050 (in duplicate), and accompanying transmittal documents are provided herewith.

3. The correct names and addresses of the Assignees are:

Credence Systems Corporation  
1421 California Circle  
Milpitas, California 95035

University of Rochester  
518 Hylan Building  
Rochester, New York 14627

06/13/2005 MAHRED1 00000086 041415 6812464

01 FC:1464 130.00 DA

4. The chain of title of the patent identified above to Credence Systems Corporation is as follows:

- a. From: Kenneth R. Wilsher and Steven A. Kasapi  
To: Schlumberger Technologies, Inc.  
The Assignment was recorded on January 23, 2001 at Reel 011477/Frame 0700.
- b. From: Schlumberger Technologies, Inc.  
To: NPTest, LLC  
The Assignment was recorded on June 23, 2003 at Reel 014268/  
Frame 0115.
- c. From: NPTest, LLC  
To: Credence Systems Corporation  
The Assignment was originally recorded on August 5, 2004 at  
Reel 014971/Frame 0358.

The chain of title of the patent identified above to the University of Rochester is as follows:

- a. From: Roman Sobolweski, Grigory N. Gol'tsman, Alexey D. Semenov,  
and Oleg V. Okunev  
To: University of Rochester  
The Assignment was recorded on July 23, 2001 at Reel 012015/  
Frame 0796.

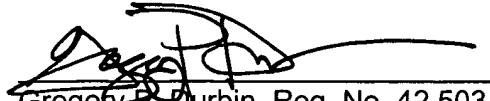
A copy of the Patent Assignment Abstract of Title obtained from the U.S. Patent and Trademark Office dated June 3, 2005 is provided herewith.

5. The error in omitting the name of Assignee, University of Rochester, was of a clerical nature and occurred in good faith by not complying with 37 C.F.R. § 3.81(b). The addition of Assignee, University of Rochester's name does not involve such changes in the patent as would constitute new matter.

Pursuant to 37 C.F.R. § 1.17, please charge the \$130.00 petition fee to Deposit Account No. 04-1415. The Commissioner is hereby authorized to charge any additional fees with regard to this Petition to Deposit Account No. 04-1415.

Signed at Denver, Colorado, this 8<sup>th</sup> day of JUNE 2005.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Gregory P. Durbin', is written over a horizontal line.

Gregory P. Durbin, Reg. No. 42,503  
DORSEY & WHITNEY LLP  
370 Seventeenth Street, Suite 4700  
Denver, CO 80202-5647  
Tel.: (303) 629-3400  
Fax: (303) 629-3450

USPTO Customer No. 20686



**BEST AVAILABLE COPY** EV 447217037US

Express Mail Label No. EV 447 217 037 US  
Attorney Docket No. 2044/US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:

Inventors: Roman Sobolewski et al.

Appln. No.: 09/628,116

Filed: July 28, 2000

Patent No.: 6,812,464 B1

Issued: November 2, 2004

For: SUPERCONDUCTING SINGLE  
PHOTON DETECTOR

Confirmation No.: 2593

Group Art Unit: 2878

Examiner: Timothy J. Moran

**CERTIFICATE OF MAILING BY EXPRESS MAIL**

Mail Stop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned hereby certifies that the following documents:

1. Petition to Correct Assignee on Patent Under 37 C.F.R. § 3.81(b) (3 pages);
2. Photocopy of the originally submitted form PTOL-85 dated August 5, 2004 (1 page);
3. Photocopy of Patent Assignment Abstract of Title dated June 3, 2005 (2 pages);
4. Request for Certificate of Correction of Assignees' Names on Patent – Applicant's Mistake (37 C.F.R. § 1.323) (2 pages);
5. Photocopy of the originally submitted form PTOL-85 dated August 5, 2004 (1 page);
6. Certificate of Correction (PTO-1050) (duplicate originals);
7. Certificate of Mailing by Express Mail (2 pages); and
8. Return Card,

relating to the above application, were deposited as "Express Mail," Mailing Label No. EV 447 217 037 US with the United States Postal Service, addressed to Mail

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Attorney Docket No. 2044/US  
Page 2

Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 8 day of June 2005.

\_\_\_\_\_  
Mailer

*Jane Lalis*  
\_\_\_\_\_  
Printed Name of Mailer  
DORSEY & WHITNEY LLP  
USPTO Customer No. 20686

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 (703) 746-4000

or Fax

JUN 08 2004

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Do not legibly mark-up with any corrections or use Block 1)

Dorsey & Whitney LLP  
 Republic Plaza Building, Suite 4700  
 370 Seventeenth Street  
 Denver, CO 80202-5647  
 Phone: (303) 629-3400  
 Fax: (303) 629-3450  
 USPTO Customer No. 20686

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

/Dorsey &amp; Whitney LLP (Depositor's name)

(Signature)

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/628,116	07/28/2000	Roman Sobolewski	M-8821 US	2593

TITLE OF INVENTION: SUPERCONDUCTING SINGLE PHOTON DETECTOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	08/09/2004
EXAMINER	ART UNIT	CLASS-SUBCLASS			
MORAN, TIMOTHY J	2878	250-336200			

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Dorsey &amp; Whitney LLP

2

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

CREDENCE SYSTEMS CORPORATION

MILPITAS, CALIFORNIA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

☒ Issue Fee☐ Publication Fee☐ Advance Order - # of Copies

4b. Payment of Fee(s):

☒ A check in the amount of the fee(s) is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 04-1415 (enclose an extra copy of this form).

Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid Issue fee to the application identified above.

(Authorized Signature)

(Date)

August 5, 2004

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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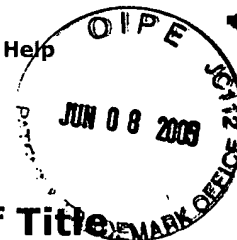
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Patent Assignment Abstract of Title

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

**Total Assignments: 5**

**Patent #:** 6812464      **Issue Dt:** 11/02/2004      **Application #:** 09628116      **Filing Dt:** 07/28/2000

**Inventors:** Roman Sobolewski, Grigory N. Gol'tsman, Alexey D. Semenov, Oleg V. Okunev et al

**Title:** SUPERCONDUCTING SINGLE PHOTON DETECTOR

**Assignment: 1**

**Reel/Frame:** 011477/0700      **Recorded:** 01/23/2001      **Pages:** 3

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors:** WILSHER, KENNETH R.      **Exec Dt:** 12/04/2000

KASAPI, STEVEN A.      **Exec Dt:** 12/13/2000

**Assignee:** SCHLUMBERGER TECHNOLOGIES, INC.

150 BAYTECH DRIVE  
SAN JOSE, CALIFORNIA 95134

**Correspondent:** SKJERVEN MORRILL MACPHERSON LLP

NORMAN R. KLIVANS  
25 METRO DRIVE  
SUITE 700  
SAN JOSE, CA 95110

**Assignment: 2**

**Reel/Frame:** 012015/0796      **Recorded:** 07/23/2001      **Pages:** 4

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors:** SOBOLWESKI, ROMAN      **Exec Dt:** 12/11/2000

GOL'TSMAN, GRIGORY N.      **Exec Dt:** 12/09/2000

SEME NOV, ALEXEY D.      **Exec Dt:** 12/12/2000

OKUNEV, OLEG V.      **Exec Dt:** 12/12/2000

**Assignee:** UNIVERSITY OF ROCHESTER

518 HYLAN BUILDING  
ROCHESTER, NEW YORK 14627

**Correspondent:** SKJERVEN MORRILL MACPHERSON LLP

NORMAN R. KILVANS  
25 METRO DRIVE, SUITE 700  
SAN JOSE, CA 95110

**Assignment: 3**

**Reel/Frame:** 014268/0115      **Recorded:** 06/23/2003      **Pages:** 28

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignor:** SCHLUMBERGER TECHNOLOGIES, INC.      **Exec Dt:** 05/10/2002

**Assignee:** NPTEST, LLC  
150 BAYTECH DRIVE

SAN JOSE, CALIFORNIA 95134

**Correspondent:** SKADDEN, ARPS, SLATE, MEAGHER  
& FLOM, LLP  
FREDERICK D. KIM  
525 UNIVERSITY AVENUE, SUITE 1100  
PALO ALTO, CA 94301

**Assignment: 4**

**Reel/Frame:** 014971/0358

**Recorded:** 08/05/2004

**Pages:** 30

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignor:** NP TEST, LLC

**Exec Dt:** 07/13/2004

**Assignee:** CREDENCE SYSTEMS CORPORATION

1421 CALIFORNIA CIRCLE  
MILPITAS, CALIFORNIA 95035

**Correspondent:** DORSEY & WHITNEY LLP  
GREGORY P. DURBIN  
REPUBLIC PLAZA BUILDING  
370 SEVENTEENTH STREET, SUITE 4700  
DENVER, CO 80202

**Assignment: 5**

**Reel/Frame:** 015242/0574

**Recorded:** 10/13/2004

**Pages:** 36

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignor:** NPTEST, LLC

**Exec Dt:** 07/13/2004

**Assignee:** CREDENCE SYSTEMS CORPORATION

1421 CALIFORNIA CIRCLE  
MILPITAS, CALIFORNIA 95035

**Correspondent:** DORSEY & WHITNEY LLP  
GREGORY P. DURBIN  
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DENVER, CO 80202-5647

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## PART B - FEE(S) TRANSMITTAL

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370 Seventeenth Street  
Denver, CO 80202-5647  
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/Dorsey &amp; Whitney LLP (Depositor's name)

(Signature)

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/628,116	07/28/2000	Roman Sobolewski	M-8821 US	2593

TITLE OF INVENTION: SUPERCONDUCTING SINGLE PHOTON DETECTOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	08/09/2004
EXAMINER		ART UNIT	CLASS-SUBCLASS		
		2878	250-336200		

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

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1 Dorsey &amp; Whitney LLP

2

3

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(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

CREDENCE SYSTEMS CORPORATION

MILPITAS, CALIFORNIA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☐ Publication Fee
- ☐ Advance Order - # of Copies \_\_\_\_\_

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☒ A check in the amount of the fee(s) is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.

☒ The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 04-1415 (enclose an extra copy of this form).

Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)

(Date)

August 5, 2004

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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Attorney Docket No. 2044/US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re:

Inventors:	Roman Sobolewski et al.	Confirmation No.: 2593
Appln. No.:	09/628,116	Group Art Unit: 2878
Filing Date:	July 28, 2000	Examiner: Timothy J. Moran
Patent No.:	6,812,464 B1	
Issued:	November 2, 2004	
For:	SUPER CONDUCTING SINGLE PHOTON DETECTOR	

---

Attn.: Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE OF CORRECTION OF ASSIGNEES' NAMES  
ON PATENT – APPLICANT'S MISTAKE (37 C.F.R. § 1.323)**

Dear Sir:

It is noted that an error appears in the above-referenced patent with respect to an incorrect designation of the assignees.

A Petition to Correct Assignee on Patent Under 37 C.F.R. § 3.81(b) to designate the omitted assignee, University of Rochester, is being filed concurrently herewith. The error is of a clerical nature, which was not the fault of the United States Patent and Trademark Office. The error occurred in good faith, and correction thereof does not involve such changes in the patent as would constitute new matter or would require reexamination. Applicant hereby requests the issuance of a Certificate of Correction.

Assignee, University of Rochester, was inadvertently omitted in Item 3(A) of the Bart B – Issue Fee(s) Transmittal (PTOL-85) submitted with the issue fee on August 5, 2004. A copy of the originally submitted form PTOL-85 is provided herewith.

Attached hereto is Form PTO-1050, in duplicate, to be used for the Certificate of Correction. At least one copy of the Form PTO-1050 is suitable for printing.

06/13/2005 MAHMED1 00000085 041415 6812464

01 FC:1811 100.00 DA

The Inventors respectfully solicit the Commissioner to grant this request for a Certificate of Correction addressing the error noted herein, upon the granting of the Petition to Correct Assignee on Patent Under 37 C.F.R. § 3.81(b).

Please send the certified Certificate of Correction to:

Dorsey & Whitney LLP  
Attn: Gregory P. Durbin, Esq.  
370 Seventeenth Street, Suite 4700  
Denver, CO 80202-5647.

Pursuant to 37 C.F.R. § 1.323, please charge the \$100.00 fee to Deposit Account No. 04-1415. The Commissioner is hereby authorized to charge any additional fees with regard to this Request to Deposit Account No. 04-1415.

Signed at Denver, Colorado, this 8<sup>th</sup> day of June, 2005.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Gregory P. Durbin', is written over a horizontal line.

Gregory P. Durbin, Reg. No.42,503  
DORSEY & WHITNEY LLP  
370 Seventeenth Street, Suite 4700  
Denver, Colorado 80202-5647  
Tel.: (303) 629-3400  
Fax: (303) 629-3450

USPTO Customer No. 20686

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

**PATENT NO.** : 6,812,464 B1  
**ISSUE DATE** : November 2, 2004  
**INVENTOR(S)** : Roman Sobolewski et al.

**It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:**

Title page, Item (73), Assignee, after "Credence Systems Corporation, Milpitas, CA (US)" insert  
--University of Rochester, Rochester, NY (US)--.

Mailing address of Sender:

Patent No. 6,812,464 B1

Dorsey & Whitney LLP  
370 Seventeenth Street, Suite 4700  
Denver, CO 80202-5647  
Phone: (303) 629-3400  
Fax: (303) 629-3450  
USPTO Customer No.: 20686

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

**PATENT NO.** : 6,812,464 B1  
**ISSUE DATE** : November 2, 2004  
**INVENTOR(S)** : Roman Sobolewski et al.

**It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:**

Title page, Item (73), Assignee, after "Credence Systems Corporation, Milpitas, CA (US)" insert  
--University of Rochester, Rochester, NY (US)--.

Mailing address of Sender:

Patent No 6,812,464 B1

Dorsey & Whitney LLP  
370 Seventeenth Street, Suite 4700  
Denver, CO 80202-5647  
Phone: (303) 629-3400  
Fax: (303) 629-3450  
USPTO Customer No.: 20686